

A ey's Docket No.: 11540-005001  
Client's Ref. No.: ZI-18 Optical Cavity/Near-Field

**COMBINED DECLARATION AND POWER OF ATTORNEY****COPY OF PAPERS  
ORIGINALLY FILED**

01/17/02

As a below named inventor, I hereby declare that:

My residence, post office address and citizenship are as stated below next to my name.

I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled MULTIPLE-SOURCE ARRAYS WITH OPTICAL TRANSMISSION ENHANCED BY RESONANT CAVITIES, the specification of which was filed on July 27, 2001 as Application Serial No. 09/917,400.

I hereby state that I have reviewed and understand the contents of the above-identified specification, including the claims, as amended by any amendment referred to above.

I acknowledge the duty to disclose all information I know to be material to patentability in accordance with Title 37, Code of Federal Regulations, §1.56.

I hereby claim the benefit under Title 35, United States Code, §119(e)(1) of any United States provisional application(s) listed below:

U.S. Serial No.	Filing Date	Status
60/221,091	7/27/00	Pending

I hereby appoint the following attorneys and/or agents to prosecute this application and to transact all business in the Patent and Trademark Office connected therewith:

Eric L. Prah, Reg. No. 32,590  
Timothy A. French, Reg. No. 30,175  
John F. Hayden, Reg. No. 37,640

Frank R. Occhiuti, Reg. No. 35,306  
Sean P. Daley, Reg. No. 40,978.

Address all telephone calls to ERIC L. PRAHL at telephone number (617) 542-5070.

Address all correspondence to ERIC L. PRAHL at:

FISH & RICHARDSON P.C.  
225 Franklin Street  
Boston, MA 02110-2804

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patents issued thereon.

05/08/02 11:30

6175428906

F R BOSTONQ

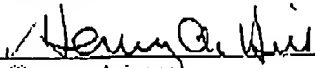
008

Attorney's Docket No.: 11540-005001  
Client's Ref. No.: Z1-18 Optical Cavity/Near-Field

**Combined Declaration and Power of Attorney**  
Page 2 of 2 Pages

Full Name of Inventor: HENRY A. HILL

Inventor's Signature:



Date:

10-15-01

Residence Address:

Tucson, Arizona

Citizenship:

United States of America

Post Office Address:

340 S. Avenida de Palmas

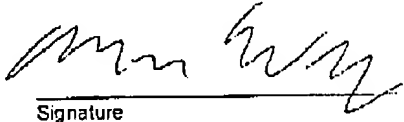
Tucson, Arizona 85716

United States of America

20293613.doc

Substitute Form PTO-1595  
 Attorney Docket No.: 11540-005001  
 Client's Ref. No.: ZI-18 Optical Cavity/Near-Field

## RECORDATION FORM COVER SHEET PATENTS ONLY

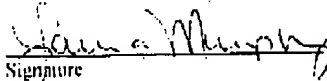
Commissioner for Patents: Please record the attached original document(s) or copy(ies).	
1. Name of conveying party(ies): Henry A. Hill Additional name(s) attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	2. Name and address of receiving party(ies): Zetetic Institute 1665 E. 18th Street Suite 206 Tucson, AZ 85719 Additional names/addresses attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
3. Nature of conveyance: <input checked="" type="checkbox"/> Assignment <input type="checkbox"/> Merger <input type="checkbox"/> Security Agreement <input type="checkbox"/> Change of Name <input type="checkbox"/> Other: Execution Date: 10/15/01	4. Application number(s) or patent number(s): If this document is being filed with a new application, the execution date of the application is: A. Patent Application No(s): 09/917,400 Additional numbers attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
5. Name/address of party to whom correspondence concerning document should be mailed: ERIC L. PRAHL Fish & Richardson P.C. 225 Franklin Street Boston, Massachusetts 02110-2804	6. Total number of applications/patents involved: 1 7. Total fee (37 CFR §3.41): \$40 <input checked="" type="checkbox"/> Enclosed <input type="checkbox"/> Authorized to charge Deposit Account. 8. Deposit Account No.: 06-1050 Please apply any additional charges, or any credits, to our Deposit Account No. 06-1050.
DO NOT USE THIS SPACE	
9. Statement and Signature: <i>To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.</i>	
Marc M. Wefers* for Eric L. Prahl Reg. No. 32,590 Name of Person Signing	<div style="text-align: center;">           Signature       </div> <div style="text-align: center;">         10/27/01          Date       </div>
Total number of pages including coversheet, attachments and document: 3	

\*See attached document certifying that Marc M. Wefers has limited recognition to practice before the U.S. Patent and Trademark Office under 37 C.F.R. § 10.9(b).

20332220.doc

### CERTIFICATE OF MAILING BY FIRST CLASS MAIL

I hereby certify under 37 CFR §1.8(a) that this correspondence is being deposited with the United States Postal Service as first class mail with sufficient postage on the date indicated below and is addressed to the Commissioner of Patents, Washington, D.C. 20231.

October 22, 2001  \_\_\_\_\_  
 Date of Deposit Signature Typed Name of Person Signing Certificate

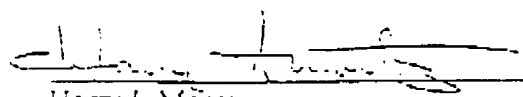
BEFORE THE OFFICE OF ENROLLMENT AND DISCIPLINE  
UNITED STATE PATENT AND TRADEMARK OFFICE

LIMITED RECOGNITION UNDER 37 CFR § 10.9(b)

Marc M. Wefers is hereby given limited recognition under 37 CFR § 10.9(b) as an employee of Fish & Richardson P.C., to prepare and prosecute patent applications wherein the patent applicant is the client of Fish & Richardson P.C. and the attorney or agent of record in the applications is a registered practitioner who is a member of Fish & Richardson P.C. This limited recognition shall expire on the date appearing below, or when whichever of the following events first occurs prior to the date appearing below: (i) Marc M. Wefers ceases to lawfully reside in the United States, (ii) Marc M. Wefers' employment with Fish & Richardson P.C. ceases or is terminated, or (iii) Marc M. Wefers ceases to remain or reside in the United States on an H-1B visa.

This document constitutes proof of such recognition. The original of this document is on file in the Office of Enrollment and Discipline of the U.S. Patent and Trademark Office.

Expires: December 22, 2001

  
Harry L. Moatz

Director of Enrollment and Discipline